

<b>Interview Summary</b>	<b>Application No.</b> 10/600,364	<b>Applicant(s)</b> ZHAO, IRIS GINRON	
	<b>Examiner</b> Janet L. Epps-Ford	<b>Art Unit</b> 1633	

All participants (applicant, applicant's representative, PTO personnel):

(1) Janet L. Epps-Ford. (3) \_\_\_\_\_

(2) Dr. Iris Zhao (Chao). (4) \_\_\_\_\_

Date of Interview: 06 February 2007:

Type: a) ☒ Telephonic b) ☐ Video Conference  
c) ☐ Personal [copy given to: 1) ☐ applicant 2) ☐ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes e) ☐ No.  
If Yes, brief description: \_\_\_\_\_

Claim(s) discussed: \_\_\_\_\_

Identification of prior art discussed: \_\_\_\_\_

Agreement with respect to the claims f) ☐ was reached. g) ☐ was not reached. h) ☒ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: In response to the Election/Restriction requirement mailed 1/11/07, Applicants contacted the examiner on 2/06/07 to discuss the election of species. The following day, Applicant's emailed the examiner with a detailed explanation of their election. The contents of that email is now attached to this interview summary for the record.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

  
Examiner's signature, if required

## Summary of Record of Interview Requirements

### Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

### Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews

#### Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

#### 37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,  
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

### Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

10 Janet L. Epps-Ford, Ph.D.  
Primary Examiner  
Art Unit 1633  
Patents Hoteling Program  
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Re: Election 10/600,364 filed 6/21/03

20 Applicant's response to Official Action 1/11/00, emails, and telephone as the following:

Claim 7 elect a species of artificial graft (to form at least one of 3 layers of a graft organ):  
body fluid composition.

Claim 8 elect a species of artificial graft (blood flow enhancer and endothelium spread enhancer):  
heparin and analogue.

30 Claim 9 elect a species of removable device:  
water-soluble solid in a designed shape.

Claim 10 elect a species of punch device suitable to make an opening within a solid comprising vessel wall and/or nonpyogenic material, wherein approximately 20-100% by volume of blood flow in a donor vessel is flowing into a receiving vessel through said opening.

(Claim 11 elect a species of laser device.

40 Claim 12 elect a species of needle. )

Claim 13 elect a species of body fluid substitute.

Because the method of making is unobvious, so new use of the material and the device are unobvious over prior art as the following order:

Claim 14-15. The method of making an artificial graft in situ for sealing and holding a body fluid within a living mammal comprising:

50 a) making an opening on the wall of a tubular organ;  
b) connecting two lumens of two tubular organs through a device, wherein said device is coated by a solidable adhesive material joined to the adjacent tissue of said two lumens, and thereafter, removing the device to leave a lumen that is connecting said two lumens of said two tubular organs.

Claim 16. The method of making an artificial graft according to claim 14-15 comprising:

a) selecting an artery system and a vein system related to same ischemia area;  
d) making an opening and lumen on the opposite walls of said vein system and artery system through said solidable adhesive nonpyogenic material to allow the

- 10 cover cells from the edge of the opening spreading out on the surface of said lumen to produce a vessel graft in situ;  
c)binding said artery system and vein system together by a solidable adhesive nonpyogenic material; and  
c) blocking the vein above b).

Claim 1-2. The artificial graft for sealing and holding a body fluid within a living mammal according to claim 14-15 comprising

- a) an adhesive nonpyogenic fluid suitable to form a solid surrounding and sealing a body fluid; and  
20 b) a connection made of a solidable adhesive nonpyogenic material, wherein said connection having a lumen and a wall joined to the lumens and the walls of two tubular organs respectively.

Claim 3. An artificial graft for sealing and holding a body fluid within a living mammal according to claim 14-15 comprising:

- i) a first fluid phase surrounding a body fluid and joining to the adjacent tissue of a body fluid; and  
ii) said first fluid phase turning into a second solid-like phase to support and seal said body fluid.  
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Claim 4. The solidable adhesive nonpyogenic material of claim 1 is disposed around an opening of a tubular organ to support the interior surface cell of said tubular organ spreading out from said opening.

Claim 5. The solidable adhesive nonpyogenic material of claim 1 is disposed on the exterior surface of a removable device and a tubular organ suitable to form a solid bond, wherein after removing said removable device, a lumen is formed within said solid bond.

- 40 Claim 6. The artificial graft of claim 1 comprising a basic matrix made of a blood component from a mammal who will receive said blood component.

Claim 7. The artificial graft of claim 1 further comprising an endothelium origin.

Claim 8. The artificial graft of claim 1 comprising heparin and analogue.

Claim 9. The artificial graft system of claim 1 further comprising a removable device selected from the group consisting of a water-soluble solid in a designed shape, needle, balloon, and a combination thereof.  
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Claim 10. The removable device of claim 9 is a punch device suitable to make an opening on a solid, which including vessel wall, organ, solidable nonpyogenic material, and a combination thereof, wherein approximately 20-100% by volume of blood flow in a donor vessel is flowing into a receiving vessel through said opening.

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Claim11. The removable device of claim 9 is a laser device.

Claim12. The removable device of claim 9 is a needle passing the first wall of a receiving vessel with a core, and thereafter punching the second wall of said receiving vessel and the first wall of a donor vessel to form a joint opening on the opposite walls of said vessels.

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Claim13. The removable device of claim 9 is an ice made of saline, body fluid substitute, blood substitute, transfusion solution, pharmaceutical solution, biobeneficial agent, water, or a mixture thereof.

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